

## SAMPLE BIOSTATISTICS PHD PROGRAM PLAN

### Typical sequence for the completion of required courses (starting in even year)

<b>Fall 1:</b> 04214: Clinical Trials 04224: Biostat Computing 04231: Models & Methods I <i>04261: Mathematical Statistics I*</i> Elective or Bioethics	<b>Spring 1:</b> 04232: Models & Methods II <i>04262: Mathematical Statistics II*</i> 04285: Intro. Bayesian Analysis 04221: Biomedical Applications and Consulting	<b>Summer 1:</b> 04222: Statistical Consulting 04295: Readings & Research
<b>Fall 2:</b> 04233: Statistical/Machine Learning 04385: Advanced Bayesian Analysis 04313: Adv. Statistical Computing 24150: Bioinformatics in Omics Analysis 04295: Readings & Research	<b>Spring 2:</b> 04275: Applied Survival 04363: Advanced Statistics 04295: Readings & Research Elective or Bioethics	<b>Summer 2:</b> 04295: Readings & Research Elective
<b>Fall 3:</b> 04386: Theory of Survival Analysis 04295: Readings & Research Elective	<b>Spring 3:</b> 04365: Linear Models 04384: Statistical Genetics 04295: Readings & Research Elective	<b>Summer 3:</b> 04295: Readings & Research Elective

### Typical sequence for the completion of required courses (starting in odd year)

<b>Fall 1:</b> 04224: Biostat Computing 04231: Models & Methods I <i>04261: Mathematical Statistics I*</i> Elective or Bioethics	<b>Spring 1:</b> 04232: Models & Methods II <i>04262: Mathematical Statistics II*</i> 04275: Applied Survival 04221: Biomedical Applications and Consulting	<b>Summer 1:</b> 04222: Statistical Consulting 04295: Readings & Research
<b>Fall 2:</b> 04214: Clinical Trials 04233: Statistical/Machine Learning 04386: Theory of Survival Analysis 24150: Bioinformatics in Omics Analysis 04295: Readings & Research	<b>Spring 2:</b> 04285: Intro. Bayesian Analysis 04365: Linear Models 04384: Statistical Genetics 04295: Readings & Research Elective or Bioethics	<b>Summer 2:</b> 04295: Readings & Research Elective
<b>Fall 3:</b> 04313: Adv. Statistical Computing 04385: Advanced Bayesian Analysis 04295: Readings & Research Elective	<b>Spring 3:</b> 04363: Advanced Statistics 04295: Readings & Research Elective	<b>Summer 3:</b> 04295: Readings & Research Elective

\* Italicized courses are taught at the UWM.

### Graduation Requirements

A minimum of 6 credit hours of graduate-level biological/medical science electives and two bioethics courses (10222 Ethics and Integrity in Science and 10444 Research Ethics Discussion Series) are required. Students may also take appropriate courses from UWM and Marquette University to satisfy the elective requirements. Electives must be approved by the advisory committee.